
(19) KOREAN INTELLECTUAL PROPERTY OFFICE

KOREAN PATENT ABSTRACTS

(11)Publication number: 1020010105898 A
(43)Date of publication of application: 29.11.2001

(21)Application number: 1020000026981
(22)Date of filing: 19.05.2000

(71)Applicant: SAMSUNG ELECTRONICS CO., LTD.
(72)Inventor: CHO, JAE HUI
CHO, NAM SIN
HONG, DAE SIK
KANG, CHANG EON
PARK, HYEON CHEOL

(51)Int. Cl. H04L 23/02

(54) METHOD FOR SYNCHRONIZING SYMBOL/FREQUENCY OF OFDM SIGNAL USING PREAMBLE OF SYMMETRICAL STRUCTURE

(57) Abstract:

PURPOSE: A method for synchronizing symbol/frequency of an OFDM(Orthogonal Frequency Division Multiplexed) signal using a preamble of a symmetrical structure is provided to improve accuracy of timing synchronization and fine frequency synchronization of an OFDM signal by using a symmetrical preamble. CONSTITUTION: An OFDM signal having a preamble of a symmetrical structure is received. The OFDM signal of an analog state is converted to the OFDM signal of a digital state in order to obtain a sample from the received OFDM signal. The preamble is separated from the received OFDM signal and a synchronizing process for symbol/frequency of the received OFDM signal is performed. A correlation value between the same samples forming the symmetrical preamble is obtained by using a correlation portion (220). The symbol/frequency of the received OFDM signal is obtained.

copyright KIPO 2002

Legal Status

Date of request for an examination (20000519)
Notification date of refusal decision (00000000)
Final disposal of an application (registration)
Date of final disposal of an application (20030114)
Patent registration number (1003773560000)
Date of registration (20030311)
Number of opposition against the grant of a patent ()
Date of opposition against the grant of a patent (00000000)
Number of trial against decision to refuse ()
Date of requesting trial against decision to refuse ()